



Travel Cooler®

AND WARMER



**OPERATES FROM ANY
VEHICLE'S 12 VOLT ACCESSORY
SOCKET OR 12 VOLT DC
PORTABLE POWER SUPPLY.**

OWNER'S MANUAL & WARRANTY INFORMATION

IMPORTANT SAFETY INFORMATION, SAVE THESE INSTRUCTIONS

THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING THE OPERATION AND WARRANTY OF THIS PRODUCT. PLEASE READ CAREFULLY BEFORE USE AND RETAIN FOR FUTURE REFERENCE.

4140 S.W. 28th WAY, FT. LAUDERDALE, FL 33312
Tel: (954) 584-4446 Fax: (954) 584-5556 Toll Free: (866) 584-5504
www.vectormfg.com



2 YEAR LIMITED WARRANTY PROGRAM

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Manufacturing, Ltd., regarding this product. There is no other warranty, other than those described herein.

This Vector Manufacturing, Ltd. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for two years from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. Vector Manufacturing, Ltd. will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to accessories or damage to units from misuse or incorrect installation. Misuse includes wiring or connecting to improper polarity power sources.

RETURN/REPAIR POLICY: Defective products, other than accessories, may be returned postage prepaid to Vector Manufacturing. Any defective product, other than accessories, that is returned to Vector Manufacturing within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than two years from the purchase date, Vector Manufacturing will repair the unit or, at its option, replace it free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at Vector Manufacturing's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items after 30 days. During the warranty period, Vector Manufacturing, Ltd. will be responsible for the return shipping charges.

LIMITATIONS: This warranty does not cover accessories, bulbs, fuses and batteries, defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department at (954) 584-4446 or Toll Free at (866) 584-5504 for general repair information and charges if applicable. You may also contact us through our website at www.vectormfg.com.

STATE LAW RIGHTS: This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT: Contact Vector Manufacturing Technical Support by telephone, fax or mail. We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

WARRANTY ACTIVATION: Please complete Warranty Activation Card and mail to Vector Manufacturing. Enter "VEC221" as Model and "Travel Cooler Warmer" as Product Type. All Vector Manufacturing, Ltd. products must be registered within 10 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt to:

ATTN.: CUSTOMER SERVICE / VECTOR MANUFACTURING, Ltd.

4140 SW 28th Way, Ft. Lauderdale, FL 33312

PH: 954-584-4446 • TOLL FREE: 866-584-5504 • Fax: 954-584-5556.

You may also contact us at our web site www.vectormfg.com.

WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.



VECTOR MANUFACTURING, Ltd.
4140 S.W. 28TH WAY,
FT. LAUDERDALE, FL 33312
AB061103

INTRODUCTION

Thank you for choosing the **Vector Thermoelectric Travel Cooler & Warmer**, one of the most advanced, state of the art units on the market today. Please read this manual carefully before use to ensure optimum performance and avoid damage to the unit itself or power sources from which it operates.

The **Travel Cooler & Warmer** is compact, lightweight, and portable. It provides convenient storage for cold or hot beverages and foods, making conventional insulation-only coolers, thermal bottles and jars and insulated chests obsolete.

For extended use:

No need for a refrigerator, stove or 120 volt AC outlet, simply plug the **Travel Cooler & Warmer** into vehicle's 12 volt DC accessory outlet to keep food and drinks cold or warm. No more digging around in melting ice and water for soggy foods and dripping drinks. No need for ice, dry ice, or cold/hot packs. Ideal for use in a:

- Car
- Truck or SUV
- RV, mobile home, camper
- Boat
- Home or motel - use with Vector's VEC002 AC/DC Converter.
- At the beach, on picnics, at the campground - use with battery power.

For short-term use:

When you have to leave the vehicle in the parking lot at the beach, park, campsite, stadium or ballpark, simply plug the **Travel Cooler & Warmer** into a reliable cordless, rechargeable power supply, such as:

- Any Vector cordless, rechargeable Jumpstarter & 12 volt DC Power Supply
- The Vector cordless, rechargeable Pocket Power™ or Pocket Generator™.

Note: When used with a cordless, rechargeable power supply, a full-charge on the power source is recommended for optimum performance.

Completely portable:

Take the **Travel Cooler & Warmer** with you, wherever you go, to keep cold or hot food and drinks at just the right temperature. Ideal for use:

- At the office, for lunches and snacks
- In a hotel, as a personal mini-fridge
- On the road, for refreshments on long journeys
- On camping and day trips, for cold or hot food and drinks
- At tailgate parties for cooked dishes, snacks or drinks
- At the beach, picnics or barbecues, for cookout supplies - keeps meats and condiments cool or prepared dishes hot

IMPORTANT SUGGESTIONS:

Vector's Thermoelectric Cooler/Warmer cools like a refrigerator and warms like an oven. For best performance, plug in the unit to give it time to warm up or cool down approximately 2 hours before loading. Always try to fill your unit with pre-chilled or pre-heated food or beverages, as the unit will always perform at its best when you do this. Generally, your unit will cool to as much as 40°F below the ambient temperature. For example, in a room where a constant temperature of 80°F is sustained, the unit will cool to approximately 45°F. To ensure optimum performance, always keep the unit out of direct sunlight when running on the cold cycle. When the unit is running on the warm cycle, it will warm to approximately 120°F. On cold days, the unit will need more time to reach the maximum warm temperature. To promote your unit's cooling ability on warm days, try reusable frozen ice packets. These are particularly helpful in keeping your unit cold while unplugged. Contact Technical Support at 954-584-4446 for further information.

The **Travel Cooler & Warmer** can be used with most food and beverages, either cold or hot. Use with standard household containers or ready-to-use food and drink packaging. *Ideal as a:*

COOLER—

- Beverages - soda, beer, wine, juice, milk, iced tea or coffee, shakes, thirst quenchers, water and more - in cans, bottles, cartons, pouches, sport bottles, etc.
- Foods - salads, sandwiches, deli meats, hamburgers, hot dogs, meat or fish, buns, condiments and dips, etc.
- Desserts - puddings, fruit cups, yogurts, etc.
- Snacks - fruit, candy, chocolate, cookies, fruit bars, chips, etc.

WARMER—

- Beverages - hot coffee and tea, cocoa, milk, etc.
- Foods - leftovers, pre-packaged/pre-heated meals, take-out foods, soups, covered dishes, stews, casseroles, etc.

FEATURES:

- Compact, lightweight, completely portable - use with vehicle or boat's 12 volt DC accessory outlet, or appropriate 12 volt DC power supply
- Non-wearing thermoelectric system cools to approx. 40°F below surrounding air temperature or warms to approx. 120°F
- Built-in holder for up to four cups or cans
- Use with standard household containers or ready-to use packaging
- Rests on vehicle seat or floor for easy access
- Extra-long, 7-foot, 12 volt DC power cord with 12 Volt DC power plug; equipped with built-in 10-amp fuse to protect the unit and power source
- Convenient, detachable shoulder strap for easy portability
- Durable, weather resistant construction and easy-open and close lid
- Environment-friendly CFC-free polyurethane liner
- Cold/heat transfer to foods via temperature-efficient liner
- Built-in heat dissipation fan with long-life, brushless motor
- COOL/OFF/WARM sliding power switch
- Automatic shut-off to prevent overheating of unit
- Built-in LED "cool" and "warm" indicators

TROUBLESHOOTING:

ProblemPossible Cause/Remedy

- **Travel Cooler/Warmer** is not functioning as cooler or warmer (fan is not turning)
 - Accessory outlet of DC power supply is not functioning -check by plugging in a 12Volt DC appliance. If not, clean accessory outlet and re-connect the **Travel Cooler/Warmer**.
 - Fuse or circuit breaker in accessory outlet is open. Reset breaker or check fuse, and replace fuse if necessary.
 - Ignition is switched off - start engine or switch ignition to “accessory” position.
 - Fuse in unit’s power cord is blown - see Fuse Replacement section for location of fuse and instructions for checking and replacing fuse.
- Cooler/warmer is not cooling or heating properly (fan is not turning).
- Fan is defective. Call Vector Customer Service department for return/replacement instructions. This unit is not user-serviceable, it must be returned to Vector Manufacturing for professional service or repair. Any attempt to service by user will void warranty.
- Cooler/warmer is not cooling or heating, but fan is turning
- Cooling unit is defective. Call Vector Customer Service department for return/replacement instructions. This unit is not user-serviceable, it must be returned to Vector Manufacturing for professional service or repair. Any attempt to service by user will void warranty.
- Travel Cooler/Warmer takes longer than 2 hours to reach desired temperature inside
- Low battery or supply voltage.
 - Unit will attain desired temperature more efficiently if items are pre-heated or pre-chilled.
 - Fan area is blocked - Move unit or object

SPECIFICATIONS:

Capacity 5 Liter / 1.32 Gallons (US)/ 9 can
Power Supply: 12 Volt DC
Power Cord: 7’, with 12 Volt DC power plug and 10 Amp fuse
Amperage draw: 3 Amperes (approx. 36-watts)
Cooling Performance: . . . Cools to average 40°F below surrounding air
Warming Performance: . . Warms to 120°F above surrounding air.
High Temperature Limit: . . Automatic ON/OFF.
Cold/Heat Transfer: Temperature-efficient, aluminum-coated liner
Insulation: CFC-free polyurethane liner
Heat Dissipation: Built-in fan with long-life, brushless motor
Warm/Cool System: Non-wearing thermoelectric
Dimensions 7”W x 12”D x 10.5”H
Weight 4.85 Lbs

CONNECTING TO A PORTABLE 12 VOLT DC POWER SUPPLY, FOR USE AWAY FROM VEHICLE

- Make sure that the unit's COOL/WARM/OFF switch is in the OFF position.
- Insert the 12 volt DC plug on the power cord into the 12 volt DC socket on the portable power supply and the other end of the cord into socket on cooler.
- Continue with steps 4-9, for cooler or warmer function. Observe all CAUTIONS AND WARNINGS. Refer to page 4 for Cooling and page 5 for Warming.

Note: *With a current draw of approximately 3-amps (36-watts), the unit will operate for approximately 1.5 hours from a fully charged 12 volt DC portable power supply such as the Vector Pocket Power™ (Model #VEC018) or Pocket Generator™ (Model #VEC018AC). A standard 19 Ampere Hour Jumpstarter/Power Supply such as the VEC021 series - can operate the cooler/warmer for approximately 6 hours.*



CONNECTING TO AN AC (110V)/DC (12V) POWER ADAPTER

- Plug converter's (VEC002-110V) power cord into standard 110 Volt 60 HZ outlet
- Make sure that unit's COOL/WARM/OFF switch is in the off position
- Insert the 12 Volt DC socket of the AC/DC power adapter and the other end into socket on cooler.
- Continue with steps 4-9 for cooler or warmer function

OBSERVE ALL CAUTIONS AND WARNINGS.

FUSE REPLACEMENT

The power cord is fuse-protected against short-circuiting, by a 10-amp fuse located in the tip of the 12 Volt DC power plug. If the DC socket is powered, but the unit does not operate, then the cooler/warmer fuse may be open.

To inspect or replace the DC Power Cord Fuse

1. Unscrew the end-cap of the DC plug counter-clockwise.
2. Remove fuse, inspect it for an open element, and replace with a new 10-amp fuse, if needed.
3. Re-attach the end-cap to the plug.
4. If new fuse opens, call Vector Customer Service department for further instructions and possible return/replacement. This unit is not user-serviceable, it must be returned to Vector Manufacturing for professional service or repair. Any attempt to service by user will void warranty.

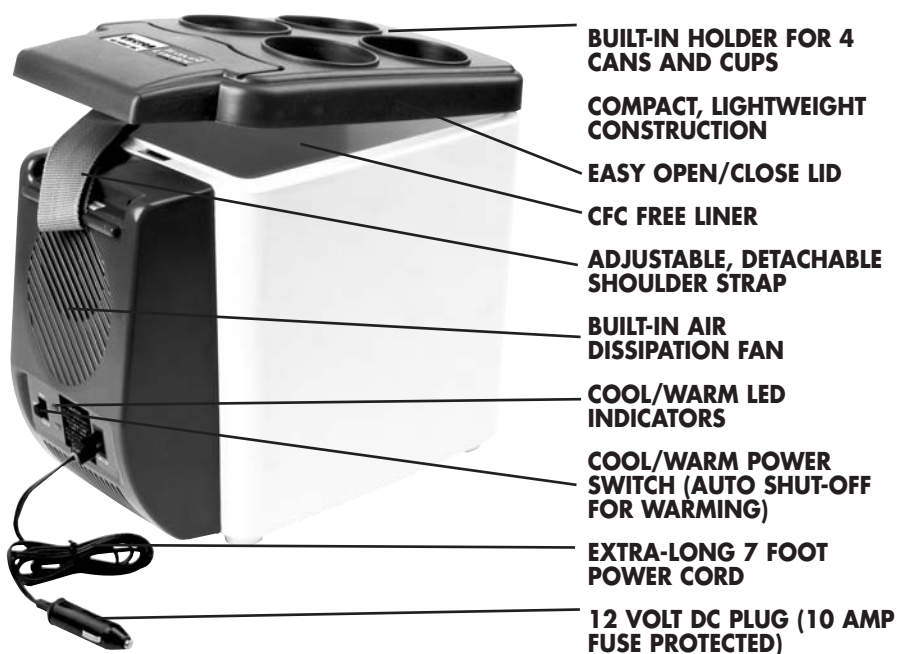
CARE AND MAINTENANCE

The **Travel Cooler/Warmer** is ruggedly constructed to provide years of dependable service.

- After each use, clean the unit, inside and out, with a soft cloth and mild soap solution.
- Do not scrape, scratch or puncture the surface of the cooler with sharp objects or abrasives.
- Dry the unit properly and store in a cool, dry place.
- Always make sure the power cord is disconnected before storing.
- **Never** allow the cooler/warmer to be immersed in liquid.

CAUTIONS:

- This unit is intended for use with a 12 volt DC power source that can provide at least 4 amperes of current. **DO NOT** attempt to use with any other power source.
- **NEVER** operate unit in an enclosed space. **ALWAYS** ensure that there is adequate ventilation and free flow of air around the unit, so that air expelled by the fan is effectively dissipated.
- When operating the unit in a vehicle or boat cabin, adequate ventilation must be provided by an air conditioning system or open window. In a car with windows up, air temperatures can reach 150 degrees F.
- This unit is intended for portable use only; it is not designed to be built-in or recessed - this would interfere with the unit's air dissipation system, and could cause a fire or other safety hazard.
- Use only with the supplied power cord. If cord becomes worn or damaged, discontinue use and call Vector Customer Service department for authorized replacement.
- Never allow the cooler/warmer to be immersed in water or other liquid. This will void the warranty.



USING THE TRAVEL COOLER/WARMER AS A COOLER

Connecting to a vehicle's 12 volt DC accessory outlet, for extended use:

1. Make sure that the unit's COOL/WARM/OFF switch is in the OFF position. Start vehicle, or turn ignition to "accessory" position.
2. Insert the DC plug into the vehicle's 12 volt DC accessory outlet and the other end into socket on cooler.
3. Move the COOL/WARM/OFF switch on the cooler to the COOL position.
4. The LED COOL indicator will light (GREEN light) to show that the unit is cooling.
5. Put items into the cooler and close the lid. Do not overstuff the cooler or keep the lid from closing.
6. Keep cooler lid closed during operation and re-close it quickly when adding items to it or removing items from it.
7. After use, turn the switch to the OFF position and empty the cooler.
8. Disconnect the power cord from the vehicle's accessory outlet and from the cooler. Clean unit as described in the Care & Maintenance section of this manual.
9. Store in a cool, dry area out of direct sunlight.

CAUTIONS:

- The cooler takes about 2 hours to reach its maximum cool temperature (approx. 40°F below that of surrounding air). It is recommended that items to be placed in the cooler be pre-chilled. This will assist the cooler in reaching the lowest temperature as quickly as possible.
- The cooler will continue to operate as long as the vehicle battery provides power.
- If the vehicle engine is turned off, the cooler will continue to draw power (a nominal 3-amps or 36 watts) from the vehicle battery.
- If the engine is switched off for a long period (overnight) it is important to disconnect the cooler from the accessory outlet to avoid draining the vehicle's battery.

WARNINGS:

- Food will stay cool for some time after the unit is disconnected or turned off, but temperature will rise to that of the surrounding air.
- Observe common sense hygiene rules, as with any cooling unit. Do not eat or drink perishable items that may have spoiled or become contaminated from lack of proper temperature control.

USING THE TRAVEL COOLER/WARMER AS A WARMER

- Make sure that the unit's COOL/WARM/OFF switch is in the OFF position. Start vehicle, or turn ignition to "accessory" position.
- Insert the DC plug into the vehicle's 12 volt DC accessory outlet and the other end into socket on cooler.
- Move the COOL/WARM/OFF switch on the cooler to the WARM position.
- The LED WARM indicator will light (RED light) to show that the unit is warming.
- Put items into the warmer and close the lid. Do not overstuff the warmer. The unit's warming system is monitored by an automatic switch that turns the heating system on and off when excessively high temperatures are reached.
- Keep warmer lid closed during operation, and re-close it quickly when adding items to it, or removing items from it.
- After use, turn the switch back to the OFF position. Remove any food items.
- Disconnect the power cord from the power supply socket and from the warmer. Clean unit as described in the Care & Maintenance section of this manual.
- Store in a cool, dry area out of direct sunlight.

CAUTIONS:

- The warmer is intended to maintain the temperature of pre-heated food and beverages; it is not designed to warm cold items.
- The warmer takes about 2 hours to reach its maximum warm temperature (approx. 120°F). It is recommended that items to be stored in the warmer be pre-heated. This will assist the warmer in reaching the maximum temperature as quickly as possible.
- The warmer will continue to operate as long as the vehicle battery provides power.
- If the vehicle engine is turned off, the unit will continue to draw power (a minimal 3-amps or 36 watts) from the vehicle battery.
- If the engine is switched off for a long period (overnight) it is recommended that the warmer be disconnected from the accessory outlet to avoid draining the vehicle's battery.

WARNINGS:

- Food will stay warm for some time after the unit is disconnected or turned off.
- Observe common sense hygiene rules, as with any warming unit. Do not eat or drink perishable items that may have spoiled or become contaminated.